

Preface

This Handbook is a product of the world community of accelerator physicists and engineers. It is not a textbook but rather a collection of information useful to professionals in design, construction, and operation of accelerators. The Handbook has been prepared by more than 200 experienced experts from across the spectrum of accelerator related institutions and to them great thanks are due.

In addition to content, a high priority has been given to portability of the book. This has led to a sacrifice of some aesthetics in order to make the text as compact as possible. For that, our apologies go to users and authors alike.

Singularly important are the references to be found at the end of each sub-section. Here the user will find locations of tutorial material as well as reliable detail for further reading. The references for the most part are not intended to be exhaustive or to indicate priority of discovery or invention, but rather to provide a reliable lead into the literature. In addition, a detailed index gives access to occurrences of important subjects and concepts to be found herein.

The fees and royalties that would normally be paid to authors and editors are being used instead to provide scholarships to the two world Accelerator Schools now in operation, the CERN Accelerator School and the US Particle Accelerator School.

Authors and Editors have made great efforts to find and eliminate errors. Nevertheless we recognize that there will be errors and have provided for errata to appear on a Handbook website:

<http://www.wspc.com.sg/books/physics/3818.html>.

Please help in this community effort by sending suggestions for corrections by e-mail to the address (achao@slac.stanford.edu).

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